



1120

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Application of: Cheng

Serial No.: 10/624,321

Filed: July 22, 2003

For: Adaptive Hybrid ARQ Algorithms

Attorney's Docket No.: 4015-5072

Patent Pending

Examiner: Not Yet Assigned

Group Art Unit: 2133

Confirmation No.: 7306

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA. 22313-1450

Raleigh, North Carolina

December 1, 2004

Sir:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

In accordance with 37 C.F.R. 1.56, counsel wishes to make of record the attached items of information for the Examiner's consideration in connection with this application. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application mailed November 5, 2004, which is less than 3 months from this filing. Also enclosed are Forms PTO/SB/08A and PTO/SB/08B for the Examiner's convenience in making such consideration of record. Inclusion herein of any particular item of information is not to be construed as an admission that same is prior art.

**The Commissioner is hereby authorized to charge any fees that may be required or credit any overpayment to Deposit Account 18-1167.**

Respectfully submitted,

**COATS & BENNETT, P.L.L.C.**

By:

Jennifer K. Stewart

Registration No. 53,639

Tel: (919) 854-1844

**CERTIFICATE OF MAILING**

I HEREBY CERTIFY THAT THIS DOCUMENT IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE ON DECEMBER 1, 2004 AS FIRST-CLASS MAIL, IN AN ENVELOPE ADDRESSED TO: MAIL STOP AMENDMENT, COMMISSIONER FOR PATENTS, PO BOX 1450, ALEXANDRIA, VA. 22313-1450.

Name of Depositor: Karen S. Schuller

Date of Signature: December 1, 2004



Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449/PTO

*(Use as many sheets as necessary)*

**Complete if Known**

Application Number	10/624321
Filing Date	July 22, 2003
First Named Inventor	Cheng
Art Unit	2133
Examiner Name	
Attorney Docket Number	4015-5072/P17985-US1

Sheet	1	of	2	Attorney Docket Number	4015-5072/P17985-US1
-------	---	----	---	------------------------	----------------------

## U. S. PATENT DOCUMENTS

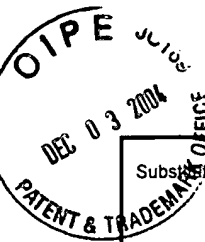
## FOREIGN PATENT DOCUMENTS

Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/624321		
		Filing Date	July 22, 2003		
		First Named Inventor	Cheng		
		Art Unit	2133		
Sheet	2	of	2	Examiner Name	
				Attorney Docket Number	4015-5072/P17985-US1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	3	CHENG, "On the Coding Gain of Incremental Redundancy Over Chase Combining," Globecom 2003, 01 December 2003, pp. 107-112, Vol. 1, No. 1.	
	4	LIAO ET AL., "Type II ARQ Schemes Based on Turbo Product Codes," Globecom '02 - IEEE Global Conference Proceedings, 17 November 2002, pp. 846-850, Vol. 1 of 3.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.